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| FORM PTO-1390<br>MODIFIED   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br><b>3557-43</b> |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><b>Unknown</b> |  |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2003/013633</b>   | INTERNATIONAL FILING DATE<br><b>3 December 2003</b>     | PRIORITY DATE CLAIMED<br><b>12 December 2002</b>                     |  |
| <b>TITLE OF INVENTION</b><br><b>COOLANT BASED ON AZOLE DERIVATIVES CONTAINING 1,3-PROPANEDIOL FOR FUEL CELL COOLING SYSTEMS</b>   |   |  |  |
| APPLICANT(S) FOR DO/EO/US<br><b>WENDEROTH et al</b>   |   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |  |
| <p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The U.S. has been elected (Article 31).</p> <p>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings,      page Certificate of Translation).</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. a. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |   |  |  |
| <p><b>Items 11 To 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> A Supplemental Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. a. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>b. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information.</p>  |   |  |  |

|  |   |   |                                      |  |  |
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| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><b>Unknown</b>   | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2003/013633</b> | ATTORNEY'S DOCKET NUMBER<br><b>3557-43</b>                                    |                                      |  |  |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:  |   |   |                                      |  |  |
| <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>  |   |   |                                      |  |  |
| <input type="checkbox"/> a) Basic national fee .....\$300.00 (1631)/\$150.00 (2631)<br><input type="checkbox"/> b) Examination Fee .....\$200.00 (1633)/\$100.00 (2633)<br><input type="checkbox"/> c) Search Fee .....\$500.00 (1632)/\$250.00 (2632)   |   |   |                                      |  |  |
| <b>TOTAL OF ABOVE CALCULATIONS</b> ..... \$1000.00/\$500.00  |   |   |                                      |  |  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |   |   |                                      |  |  |
| Total Sheets   | Extra Sheets  | Number of each additional 50 or fraction thereof (round up to a whole number) |                                      |  |  |
| 0 -100   | 0 /50 =   | 0.00  |                                      |  |  |
| \$0.00 (1681)<br>\$0.00 (2681)   |   |   |                                      |  |  |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).   |   |   |                                      |  |  |
| CLAIMS   | NUMBER FILED  | # EXTRA   | RATE                                 |  |  |
| Total Claims   | minus 20<br>=   | 0 X   | \$50.00 (1615)/<br>\$25.00 (2615)    |  |  |
| Independent Claims   | minus 3 =   | 0 X   | \$200.00 (1614)<br>\$100.00 (2614)   |  |  |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |   |   | \$360.00 (1616)/\$180.00 (2616)      |  |  |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254) |   |   | \$ 0.00                              |  |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.  |   |   |                                      |  |  |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).  |   |   | + 0.00                               |  |  |
|  |   |   | <b>TOTAL NATIONAL FEE =</b> \$ 0.00  |  |  |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property   |   |   | + \$ 0.00                            |  |  |
| Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453)   |   |   | \$ 0.00                              |  |  |
|  |   |   | <b>TOTAL FEES ENCLOSED =</b> \$ 0.00 |  |  |
|  |   |   | Amount to be:<br>refunded \$         |  |  |
|  |   |   | Charged \$                           |  |  |
| a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed.   |   |   |                                      |  |  |
| b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$ _____ to cover the above fees.<br>A duplicate copy of this form is enclosed.  |   |   |                                      |  |  |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A <u>duplicate</u> copy of this form is enclosed.  |   |   |                                      |  |  |
| d. <input type="checkbox"/> <b>CREDIT CARD PAYMENT FORM ATTACHED.</b>  |   |   |                                      |  |  |
| e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/EP2003/013633 and any U.S. and foreign application(s) corresponding thereto, and _____, referred to in this application is/are hereby incorporated by reference in this application.  |   |   |                                      |  |  |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.   |   |   |                                      |  |  |
| CORRESPONDENCE ADDRESS   |   |   |                                      |  |  |
| Direct all correspondence to:  |   |   |                                      |  |  |
| <input checked="" type="checkbox"/> Customer Number: <b>23117</b><br><small>Type Customer Number here</small>  |   |   |                                      |  |  |
| <br><b>Bryan H. Davidson</b><br>NAME   |   |   |                                      |  |  |
| <b>30,251</b> <b>June 16, 2005</b><br>REGISTRATION NUMBER Date   |   |   |                                      |  |  |

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

**WENDEROTH et al**

Atty. Ref.: **3557-43**

Serial No. **Unknown**

Group:

National Phase of: **PCT/EP2003/013633**

International Filing Date: **3 December 2003**

Filed: **May 27, 2005**

Examiner:

For: **COOLANT BASED ON AZOLE DERIVATIVES CONTAINING  
1,3-PROPANEDIOL FOR FUEL CELL COOLING SYSTEMS**

**June 16, 2005**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Supplemental to the Information Disclosure Statement filed May 27, 2005, the undersigned attorney brings to the attention of the Patent and Trademark Office the additional references listed on the attached form PTO-1449.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_

**Bryan H. Davidson**  
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

**Form PTO-FB-A820 (Also PTO-1449)**